

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
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JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

05/31/2011

Andrius Knasas
Assistant District Attorney, Suffolk County

Dear ADA Knasas,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan & Peter Piro.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst

December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician

September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

TRAINING AND ORGANIZATIONS

- * Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.
- * Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.
- * Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27th 1995.
- * Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.
- * Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25th 2002, at Agilent Technologies.
- * Notary Public since 1993.

DRUG RECEIPT

CC #

BOOK # 150

PAGE # 93

DESTRUCTION #

District/Unit

B451D

Name & Rank of Arresting Officer

P.O. Onishuk

ID#

101129

DEFENDANT'S NAME

ADDRESS

CITY

STATE

Mattapan

MA

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBER~~4 White Crack Cocaine Rocks~~~~1 PB containing
4 Individual PB's~~

1 White Crack Cocaine Rock

5 PB

5.35g

CDS

To be completed by ECU personnel only

Name and Rank of Submitting Officer

P.O. [Signature]

ID#

10740

Received by

[Signature]

Date

9-24-10

ECU Control #

No. [REDACTED]

Date Analyzed: 12-17-10

City: Boston D.C.U. Police Dept.

Officer: P.O. Roseanne Atkins-Tyler

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 5 Cont: pb

Date Rec'd: 09/24/2010

No. Analyzed: 1

Gross Wt.: 5.35

Net Weight: 0.40

Tests: 6AB

Prelim: cocaine @

Findings: Cocaine

• 2 P.P. 10

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST AS?

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
in 5 pkts

Gross Wt (5): 2.0543

Gross Wt (1): 0.4963

Pkg. Wt:

Net Wt: 0.4020

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE 12-14-10

GC/MS CONFIRMATORY TEST

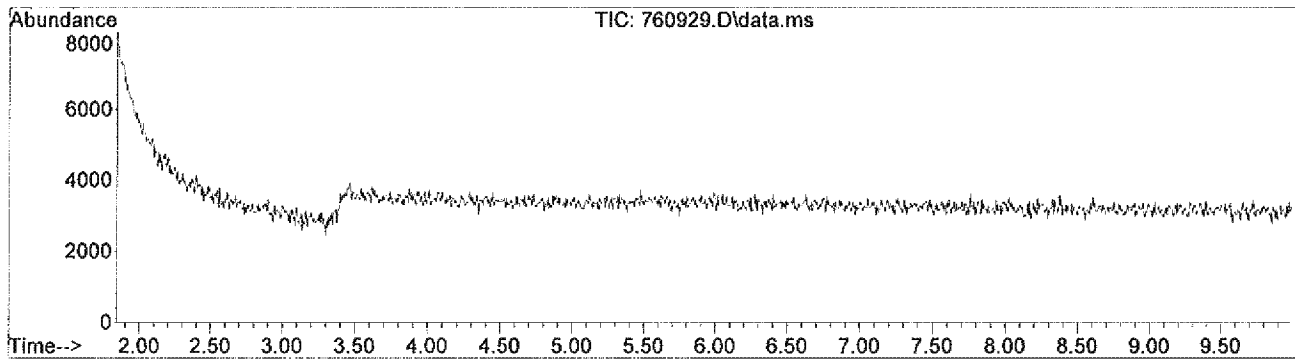
RESULTS Cocaine

MS
OPERATOR PJP

DATE 12-17-10

Information from Data File:

File Name : D:\System8\12_15_10\760929.D
Operator : P. PIRO
Date Acquired : 15 Dec 2010 21:20
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

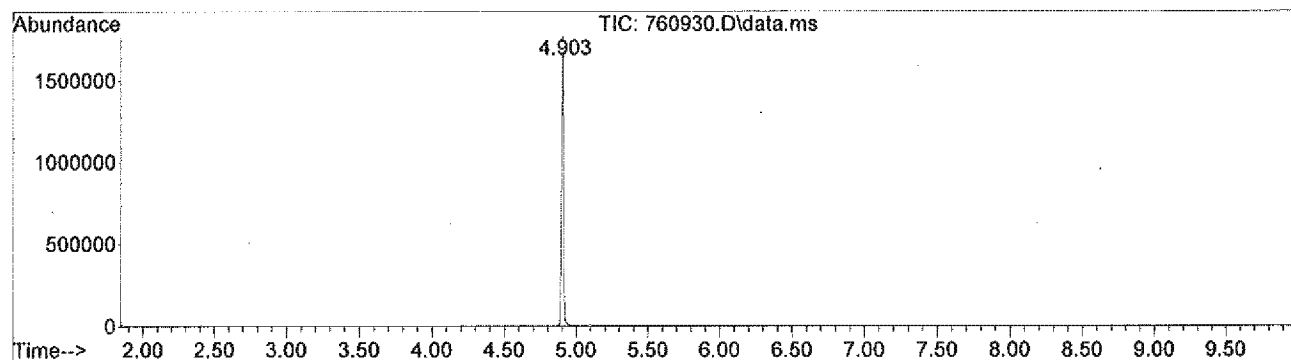


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : D:\System8\12_15_10\760930.D
 Operator : P. PIRO
 Date Acquired : 15 Dec 2010 21:33
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 30
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.903	1616970	100.00	100.00

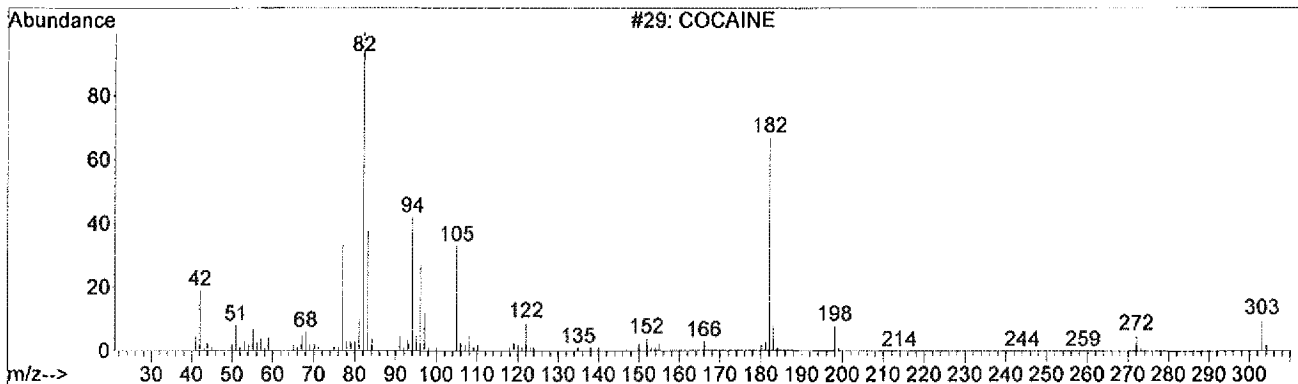
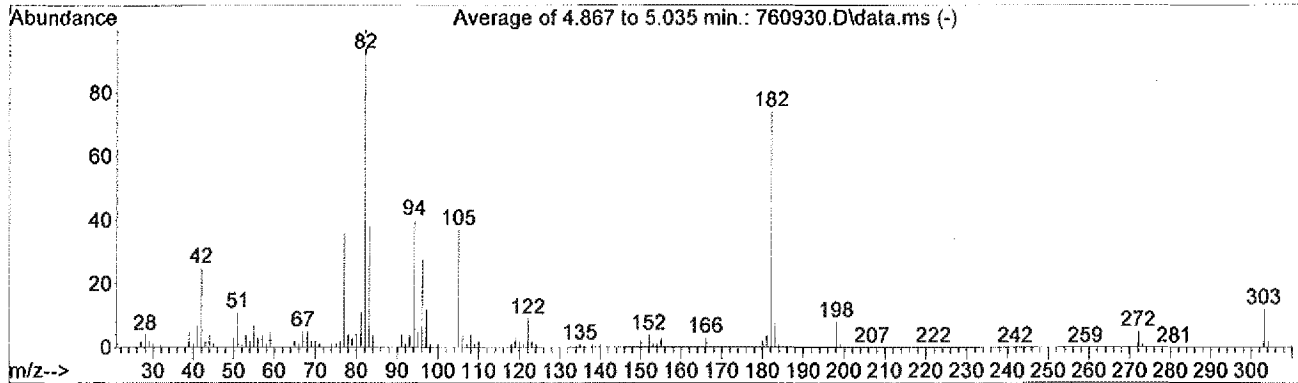
Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760930.D
 Operator : P. PIRO
 Date Acquired : 15 Dec 2010 21:33
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 30
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

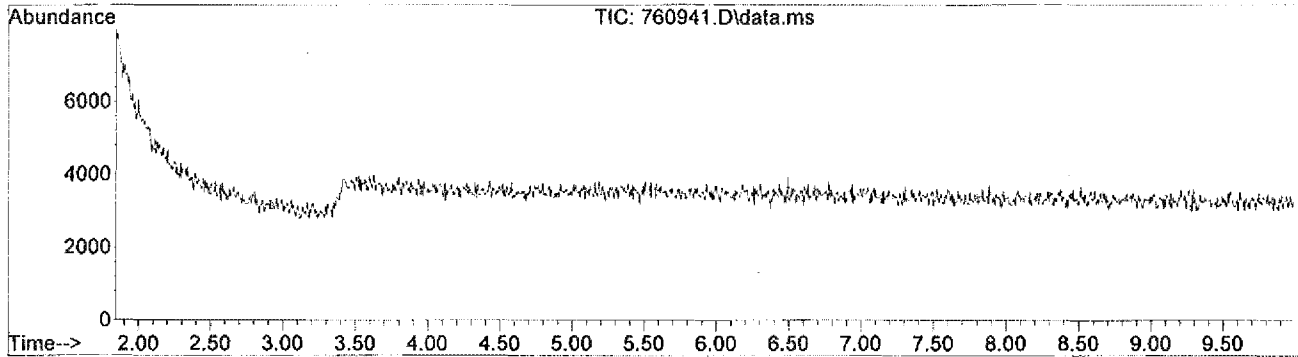
PK#	RT	Library/ID	CAS#	Qual
1	4.90	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760941.D
 Operator : P. PIRO
 Date Acquired : 15 Dec 2010 23:56
 Sample Name : BLANK
 Submitted by : ASD
 Vial Number : 1
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



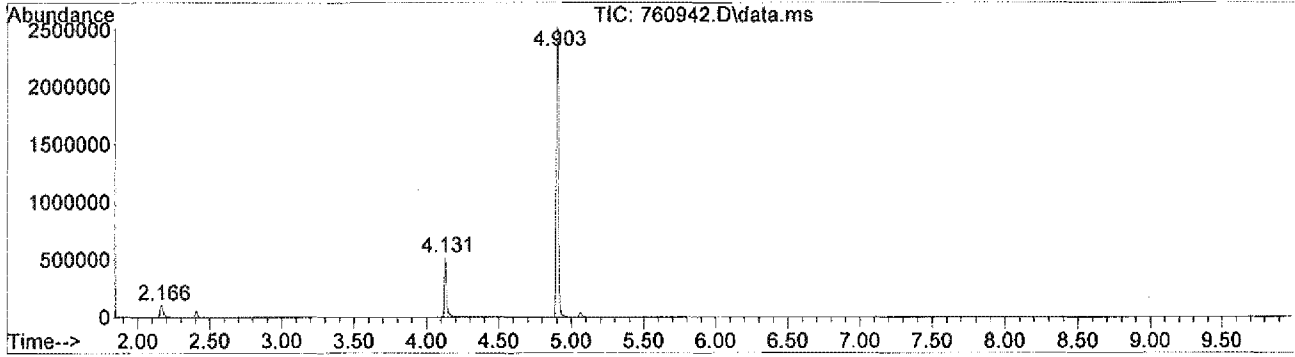
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760942.D
 Operator : P. PIRO
 Date Acquired : 16 Dec 2010 00:09
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 42
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.166	181788	5.27	6.73
4.131	564716	16.38	20.90
4.903	2701858	78.35	100.00

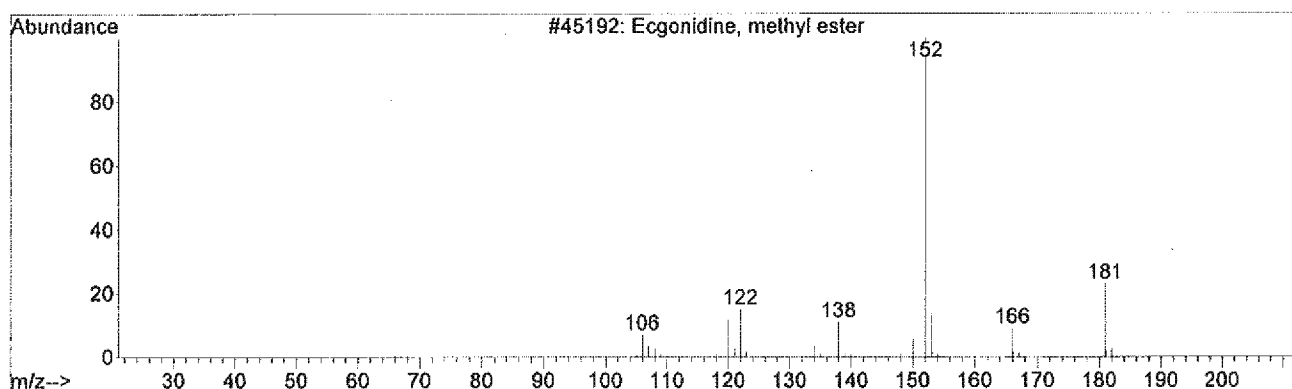
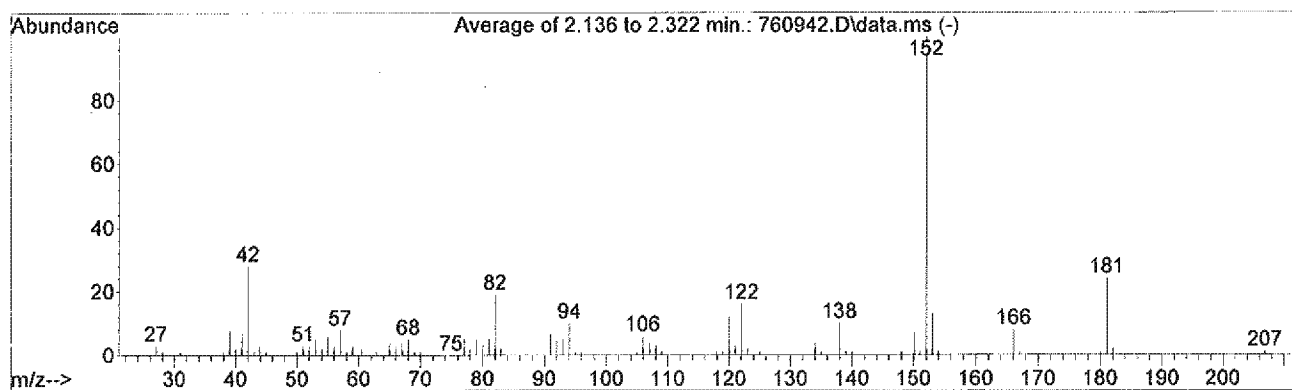
Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760942.D
 Operator : P. PIRO
 Date Acquired : 16 Dec 2010 00:09
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 42
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.17	C:\Database\NIST08.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	96
		5-Methyl-2-nitroaniline	000578-46-1	47



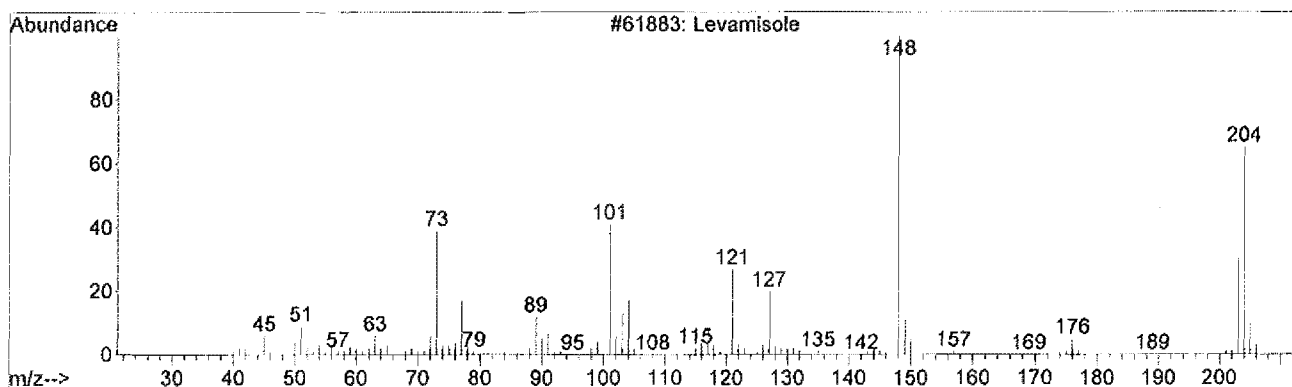
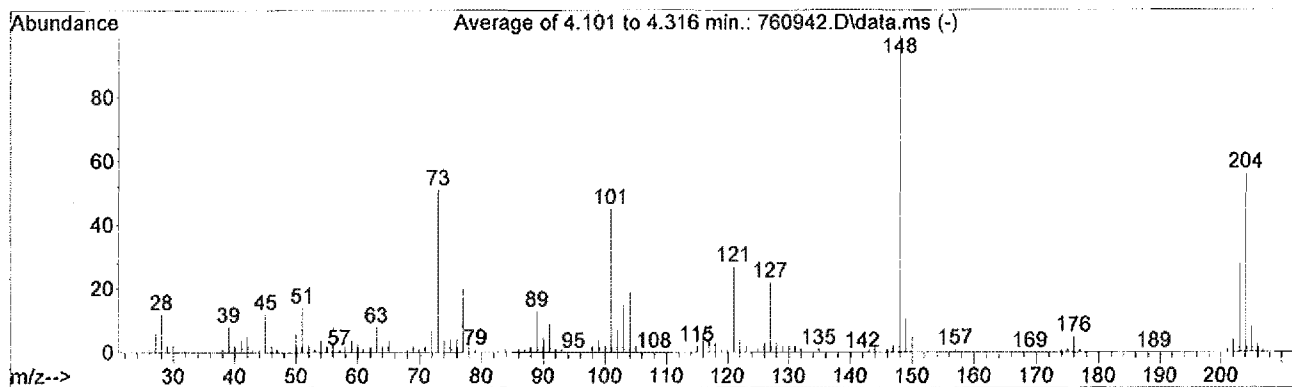
Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760942.D
 Operator : P. PIRO
 Date Acquired : 16 Dec 2010 00:09
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 42
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.13	C:\Database\NIST08.L		
		Levamisole	006649-23-6	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98
		Levamisole	006649-23-6	97



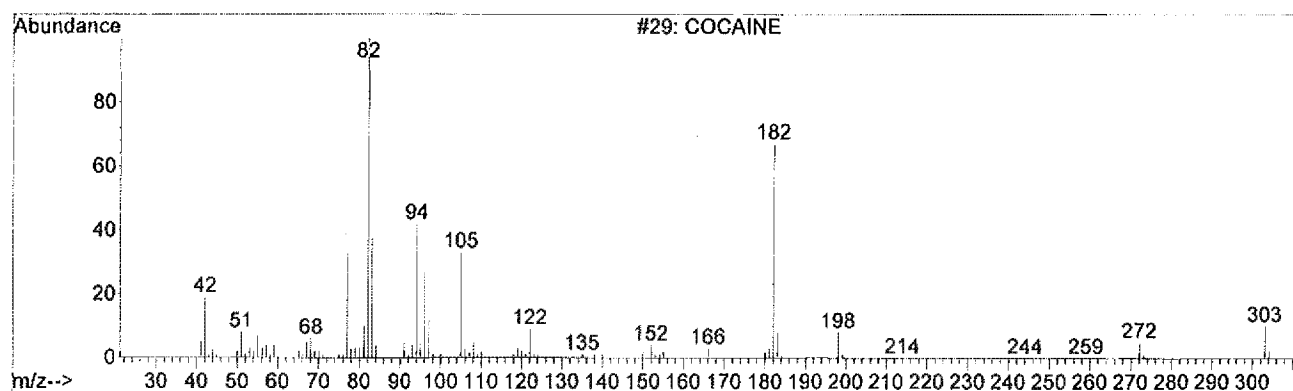
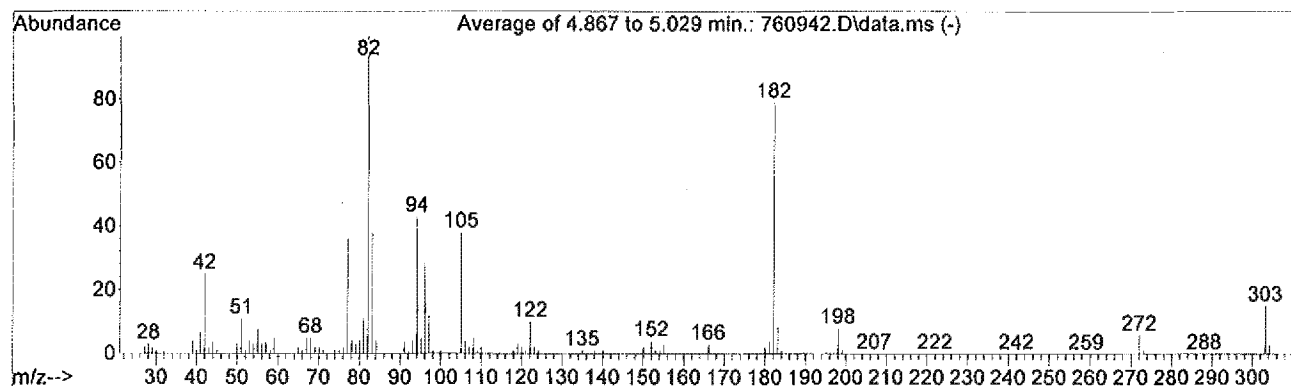
Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760942.D
 Operator : P. PIRO
 Date Acquired : 16 Dec 2010 00:09
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 42
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

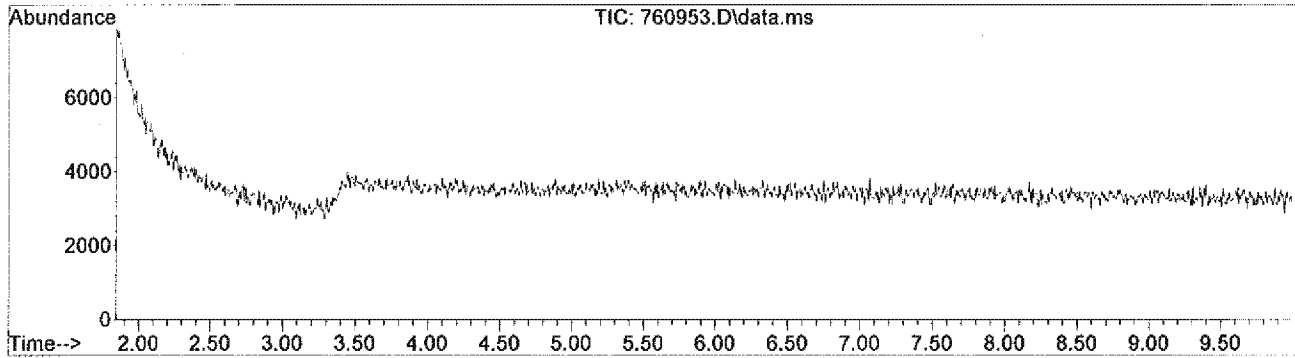
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	4.90	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : D:\System8\12_15_10\760953.D
Operator : P. PIRO
Date Acquired : 16 Dec 2010 2:32
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



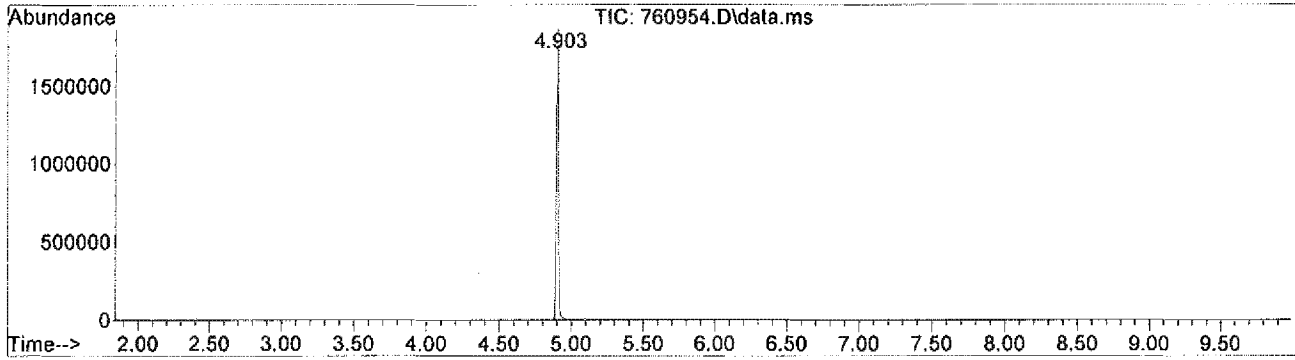
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760954.D
 Operator : P. PIRO
 Date Acquired : 16 Dec 2010 2:45
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 30
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.903	1766630	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\12_15_10\760954.D
 Operator : P. PIRO
 Date Acquired : 16 Dec 2010 2:45
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 30
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.90	C:\Database\SLI.L COCAINE	000050-36-2	99

